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(71) Applicant (for all designated States except US): SYMED
LABS LIMITED [IN/IN]; 8-3-166/6 & 7, II Floor, Sree
Arcade, Erragadda, Hyderabad 500 018, Andhrapradesh
(IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MOHAN RAO,
Dodda [IN/IN]; 8-3-166/6 & 7, II Floor, Sree Arcade,
Erragadda, Hyderabad 500 018, Andhrapradesh (IN).
KRISHNA REDDY, Pingili [IN/IN]; 8-3-166/6 & 7,
II Floor, Sree Arcade, Erragadda, Hyderabad 500 018,
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(54) Title: NOVEL INTERMEDIATES FOR LINEZOLID AND RELATED COMPOUNDS

(57) Abstract: The present invention provides a novel process for preparation of Saminomethyl substituted oxazolidinones, key intermediates for oxazolidinone antibacterials including linezolid. Thus, the key intermediate of linezolid is prepared by a) reacting N-[3-Chloro-2-(R)-hydroxypropyl]-3-fluoro-4-morpholinyl aniline with potassium phthalimide; b) subjecting N-[3-phthalimido-2-(R)-hydroxypropyl]-3-fluoro-4-(morpholinyl) aniline produced in the above step to carbonylation; and c) reacting (S)-N-[[3-[3-Fluoro-4-[4-morpholinyl]phenyl]-2-oxo-5-oxazolidinyl] methyl]phthalimide produced in the above step with hydrazine hydrate to produce (S)-N-[[3-[3-Fluoro-4-[4-morpholinyl]phenyl]-2-oxo-5-oxazolidinyl] methyl]amine.

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